

# CFL Color: Hitting the Bull's Eye

Presentation Prepared FOR

Ron Lewis, LC

U.S. Department of Energy April 27, 2004





# CFL Color: Not Everyone Appreciates The Beauty Of Lava Lamps

Presentation Prepared BY

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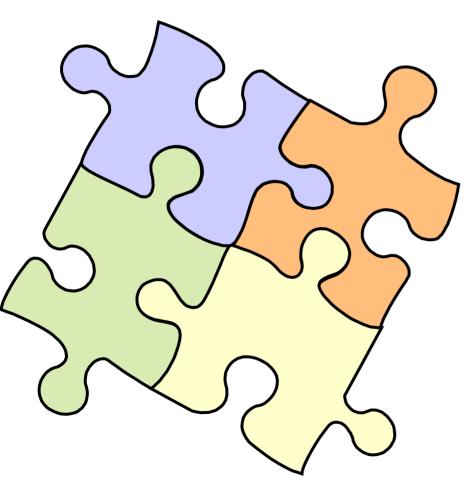


# **Beauty Of Lava Lamps**



#### **ENERGY STAR CFL Program**





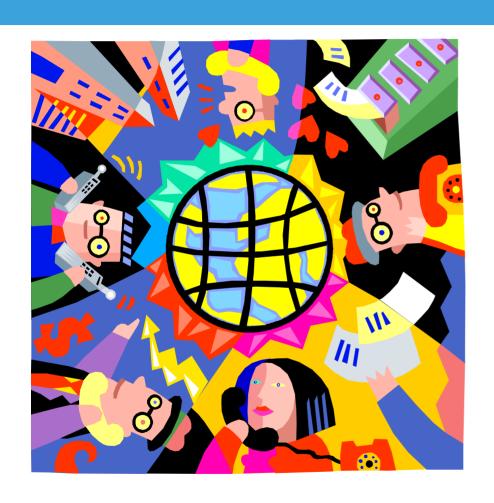


Pieces of the CFL Picture That Must Fit Together

- ➤ Color Rendering
- ➤ Color Appearance
  - Consumer Preference
  - Lamp2Lamp Consistency
  - Color Maintenance?
  - Relationship to Efficacy

#### **ENERGY STAR CFL Program**





#### Color

#### Other Challenges

- Color of CFLs vsColor of Money (costs)
- Communicating Color To Consumers
- Transformation From Incandescent Equivalence To Complimentary Color Choices

#### **ENERGY STAR CFL Program**





Department of Energy

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Version 3 Criteria Letter 10/30/03

**Quote** — **Topics or Issues Future Version** 

Correlated Color Temperature (CCT)

DOE will work with partners and researchers to identify or develop a method for improving CFL lamp color consistency and quality.



#### February 26, 2004 - Lighting Research Center - Troy, NY

The goals of the meeting were to:

- (1) hear your perspective on color issues associated with consumer acceptance of CFLs
- (2) present the findings on a recent focus group conducted by the LRC to better understand consumer acceptance of CFLs
- (3) get your input on a "strawperson" developed by the LRC to help address the issues related to color consistency of CFLs



Summary of Meeting Agenda & Discussions

By

Conan O'Rourke
Technical Director
The Lighting Research Center



#### Response & Proposal From Lamp Manufacturers

By

Peter Bleasby
Director of Industry Relations and Standards
Osram Sylvania



Response To The Response

By

Conan O'Rourke
Technical Director
The Lighting Research Center

Actually A Perspective On CFL CCT Tolerances



Your Response To The Responses

By

You

#### Other Color Issues Resolved





#### Other Color Issues Resolved

support





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#### do you speak color? (we're fluent)

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#### **ENERGY STAR CFL LAMPS**



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